

## **DECLARATION**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **ERROR DIFFUSION HALFTONING SYSTEM**

the specification of which

- ☒ is attached hereto.  
was filed on \_\_\_\_\_ as
- ☐ Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority  
Claimed

☐ Yes ☐ No

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Serial No.) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Application Ser. No.) (Filing Date) (Status: patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: June 25, 2001  
Full name of Sole Inventor  
Residence  
Citizenship  
Post Office Address

Ching-wei Chang  
Ching-Wei Chang  
Vancouver, Washington  
United States of America  
2514 NE 172<sup>nd</sup> Avenue  
Vancouver, Washington 98684

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION  
PATENT EXAMINING OPERATIONS

Applicant: Chang, Ching-Wei                      Group Art Unit:  
Serial No.:    Examiner:  
Filed :                      herewith  
Title :                      ERROR DIFFUSION HALFTONING SYSTEM

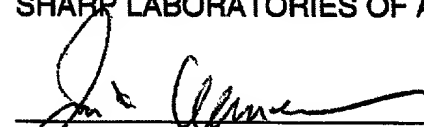
POWER OF ATTORNEY

I, Jon K. Clemens, declare that I am the President and Chief Executive Officer of Sharp Laboratories of America, Inc., a Washington corporation, and am authorized to execute this document on its behalf. Sharp Laboratories of America, Inc., is the assignee of the entire right, title and interest in the above-referenced patent application and hereby appoints Jacob E. Vilhauer, Jr., Reg. No. 24,885, Charles D. McClung, Reg. No. 26,568, Dennis E. Stenzel, Reg. No. 28,763, Donald B. Haslett, Reg. No. 28,855, William O. Geny, Reg. No. 27,444, J. Peter Staples, Reg. No. 30,690, Nancy J. Moriarty, Reg. No. 40,733, Bruce W. DeKock, Reg. No. 40,585, Kevin L. Russell, Reg. No. 38,292, and Timothy A. Long, Reg. No. 28,876, all of the firm of CHERNOFF, VILHAUER, McCLUNG & STENZEL, 1600 ODS Tower, 601 S.W. Second Avenue, Portland, Oregon 97204-3157, telephone No. (503) 227-5631, its attorneys, jointly and individually, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SHARP LABORATORIES OF AMERICA, INC.

Dated: June 26, 2001

  
\_\_\_\_\_  
Jon K. Clemens  
President and Chief Executive Officer

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE UNDER 37 CFR §3.73(b)

Applicant : Chang, Ching-Wei  
Application No. : \_\_\_\_\_ Filed: Concurrently herewith  
Title : ERROR DIFFUSION HALFTONING SYSTEM  
(Assignee) : Sharp Laboratories of America, Inc., a Washington  
corporation  
(Type of Assignee, e.g., corporation, partnership,  
university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in  
the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application  
identified above.

OR

B. ☐ A chain of title from the inventor(s), of the patent application  
identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy is attached.

☐ Additional documents in the chain of title are listed on a  
supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are  
attached. (Where one or more of the documents is unrecorded.)

The undersigned has reviewed all the documents in the chain of title of  
the patent application identified above and, to the best of undersigned's  
knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign  
this Certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are  
true, and that all statements made on information and belief are believed to be  
true; and further, that these statements are made with the knowledge that  
willful false statements, and the like so made, are punishable by fine or  
imprisonment, or both, under Section 1001, Title 18 of the United States Code,  
and that such willful false statements may jeopardize the validity of the  
application or any patent issuing thereon.

Date : June 26, 2001  
Name : Timothy A. Long  
Title : Attorney for the Assignee (copy of Power of Attorney is attached)  
Signature: Timothy A. Long

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